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Atty. Dkt. No. 064951-0204

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Robert BELLMAN et al.

Title: USING DEUTERATED SOURCE  
GASSES TO FABRICATE LOW  
LOSS GeSiON SiON  
WAVEGUIDES

Appl. No.: 10/608,432

Filing Date: June 30, 2003

Examiner: H. Hyeon

Art Unit: 2839

**AMENDMENT AND REPLY UNDER 37 C.F.R § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated December 9, 2004, concerning the above-referenced patent application.

**Amendments to the Abstract** are presented as a new Abstract attached to this document for insertion after the claim pages of the application (or to replace the previously submitted Abstract).

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this document.

**Amendments to the Drawings** begin on page 7 of this document, and include an attached replacement drawing sheet and an annotated sheet showing changes.

**Remarks/Arguments** begin on page 8 of this document.

Please amend the application as follows:

Attached is an amended abstract sheet that shows changes made to the abstract in response to the Office Action mailed December 9, 2004.